

Title (en)  
Fluorescent polymeric indicator sensor.

Title (de)  
Fluoreszierender Polymer-Indikator-Sensor.

Title (fr)  
Indicateur polymérique fluorescent sensor.

Publication  
**EP 0244929 B1 19940420 (EN)**

Application  
**EP 87301237 A 19870212**

Priority  
US 82935086 A 19860213

Abstract (en)  
[origin: EP0244929A2] A stable, rapid-response fluorescent polymeric indicator for the determination of the concentration of a dissolved substance in an aqueous medium comprises an organic polymer having a plurality of fluorescent organic substituents, which may be the same or different, covalently bonded to said polymer through ester or amide linkages. The sensor comprises an optical fiber having bonded to one end thereof such a polymer.

IPC 1-7  
**G01N 21/64**; **G01N 33/84**

IPC 8 full level  
**C09K 11/06** (2006.01); **G01N 21/64** (2006.01); **G01N 21/77** (2006.01); **G01N 21/78** (2006.01); **G01N 21/80** (2006.01); **G01N 33/533** (2006.01); **G01N 33/84** (2006.01)

CPC (source: EP US)  
**C09K 11/06** (2013.01 - EP US); **G01N 33/533** (2013.01 - EP US); **G01N 33/84** (2013.01 - EP US)

Cited by  
EP0572157A1; US5047350A; EP0408748A4; US5118405A; AT514611A1; AT514611B1; EP0546472A1; EP0513560A1; US5298583A; WO9008310A1

Designated contracting state (EPC)  
AT BE CH DE ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)  
**EP 0244929 A2 19871111**; **EP 0244929 A3 19900228**; **EP 0244929 B1 19940420**; AT E104768 T1 19940515; AU 582947 B2 19890413; AU 6871887 A 19870917; BR 8700677 A 19871215; CA 1288029 C 19910827; DE 3789631 D1 19940526; DE 3789631 T2 19940804; DK 164931 B 19920907; DK 164931 C 19930125; DK 70387 A 19870814; DK 70387 D0 19870212; ES 2062978 T3 19950101; JP H0225138 B2 19900531; JP S62191740 A 19870822; US 5019350 A 19910528; ZA 871023 B 19880928

DOCDB simple family (application)  
**EP 87301237 A 19870212**; AT 87301237 T 19870212; AU 6871887 A 19870212; BR 8700677 A 19870213; CA 529461 A 19870211; DE 3789631 T 19870212; DK 70387 A 19870212; ES 87301237 T 19870212; JP 3130387 A 19870213; US 82935086 A 19860213; ZA 871023 A 19870212